

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033122.D
 Acq On : 13 Mar 2018 17:04
 Operator : SJ/JU
 Sample : J1873-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 13 17:59:17 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

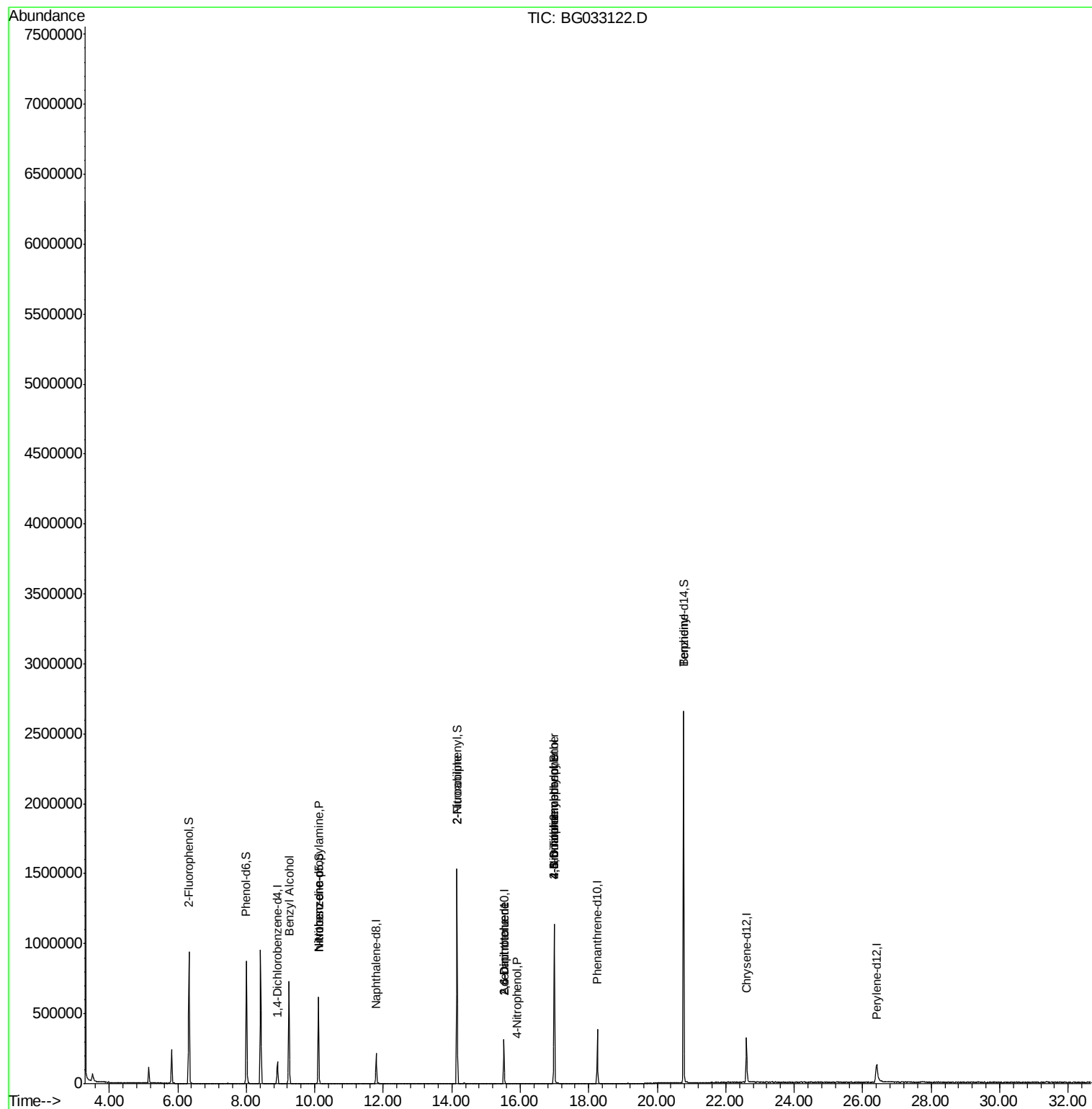
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	45218	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	192196	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	105452	20.00	ng	0.00
63) Phenanthrene-d10	18.25	188	236830	20.00	ng	0.00
75) Chrysene-d12	22.60	240	233859	20.00	ng	0.00
86) Perylene-d12	26.41	264	211905	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.33	112	424716	150.27	ng	0.00
7) Phenol-d6	8.01	99	517640	131.39	ng	0.00
23) Nitrobenzene-d5	10.11	82	382143	131.80	ng	0.00
41) 2,4,6-Tribromophenol	16.99	330	212506	191.66	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	803217	109.85	ng	0.00
78) Terphenyl-d14	20.77	244	1210575	116.30	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.25	79	6448	2.226	ng	# 40
19) n-Nitroso-di-n-propylamine	10.11	70	50398	18.121	ng	# 85
24) Nitrobenzene	10.11	77	1100	6.692	ng	# 34
47) 2-Nitroaniline	14.15	65	1603	10.570	ng	# 5
50) 2,6-Dinitrotoluene	15.52	165	13716	16.437	ng	# 20
55) 4-Nitrophenol	15.91	139	130	7.161	ng	# 1
56) 2,4-Dinitrotoluene	15.52	165	13716	14.636	ng	# 18
61) 4-Nitroaniline	17.00	138	59	5.327	ng	# 1
64) 4,6-Dinitro-2-methylphenol	16.99	198	490	5.827	ng	# 1
66) 4-Bromophenyl-phenylether	16.99	248	14547	5.809	ng	# 1
76) Benzydine	20.77	184	21042	2.640	ng	# 91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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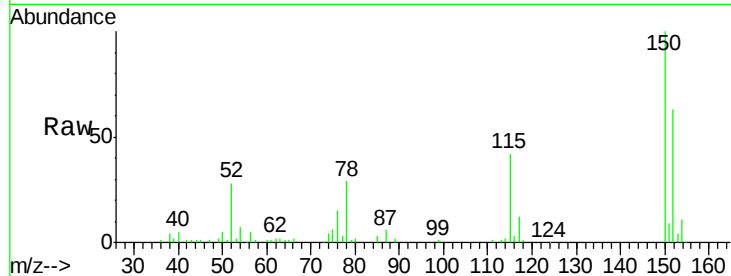


#1

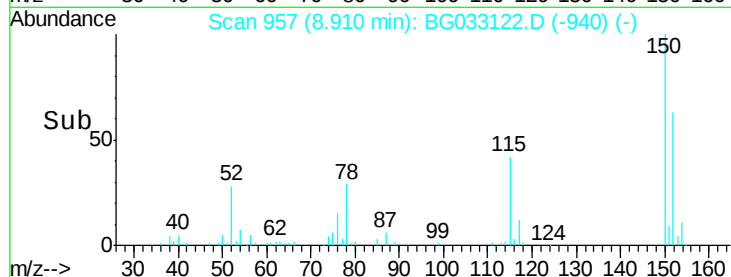
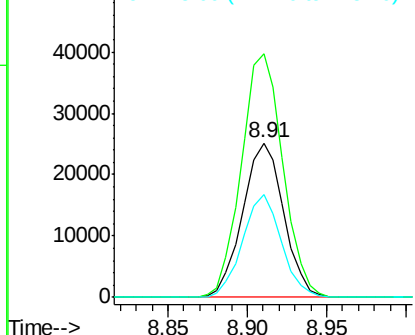
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. 0.00 min
Lab File: BG033122.D
Acq: 13 Mar 2018 17:04

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 45218
Ion Ratio Lower Upper
152 100
150 158.0 126.6 189.8
115 66.6 53.0 79.4



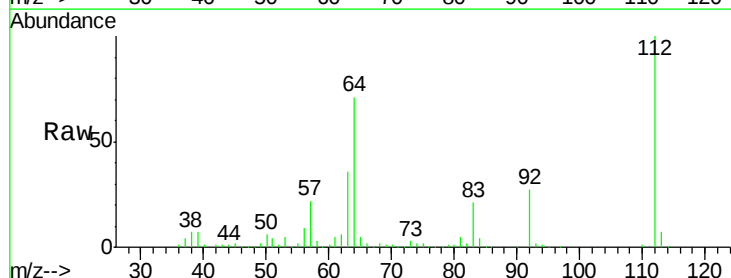
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



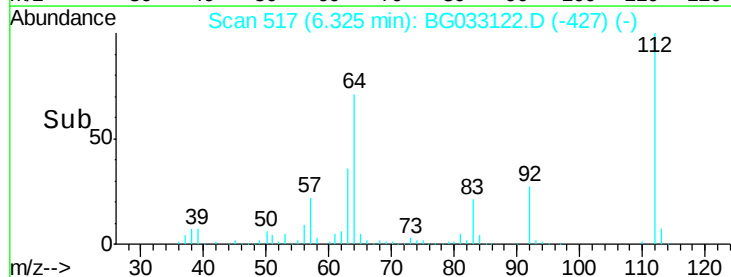
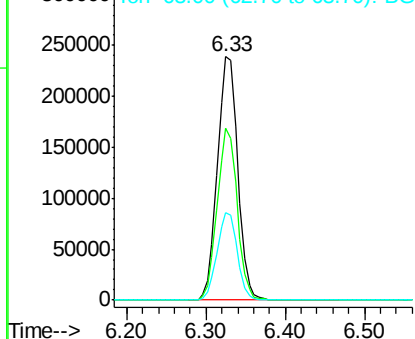
#5

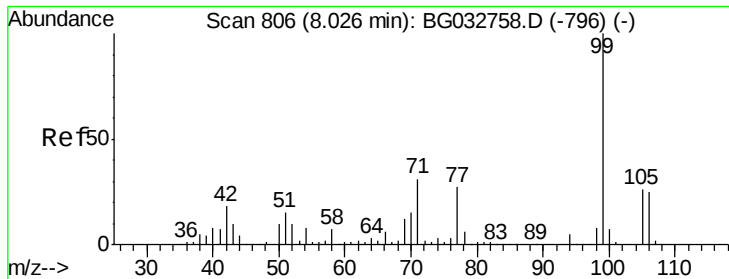
2-Fluorophenol
Concen: 150.268 ng
RT: 6.33 min Scan# 517
Delta R.T. 0.00 min
Lab File: BG033122.D
Acq: 13 Mar 2018 17:04

Tgt Ion:112 Resp: 424716
Ion Ratio Lower Upper
112 100
64 70.5 56.3 84.5
63 36.1 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 131.395 ng

RT: 8.01 min Scan# 803

Delta R.T. 0.00 min

Lab File: BG033122.D

Acq: 13 Mar 2018 17:04

Instrument :

BNA_G

ClientSampleId :

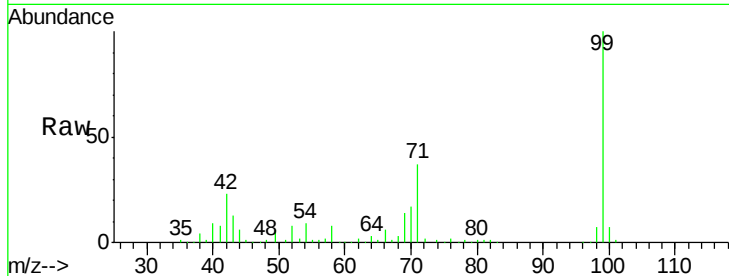
Tot Ion: 99 Resp: 517640

Ion Ratio Lower Upper

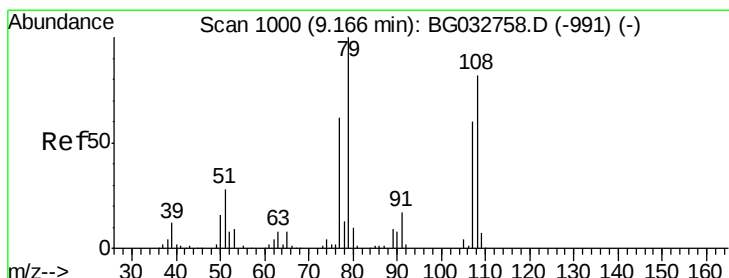
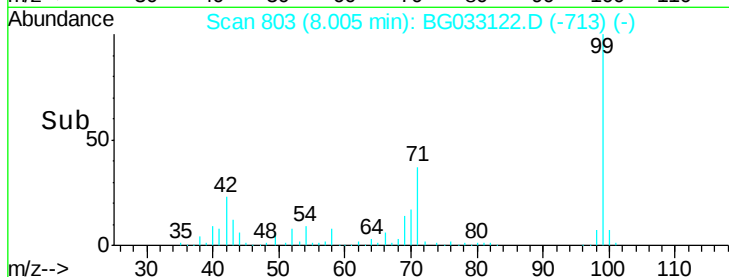
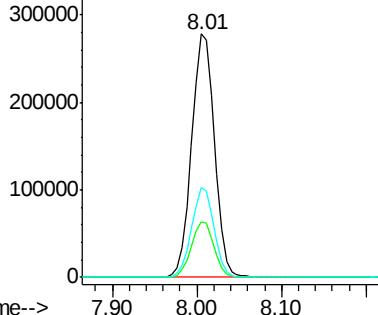
99 100

42 23.0 14.1 21.1#

71 36.9 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#15

Benzyl Alcohol

Concen: 2.226 ng

RT: 9.25 min Scan# 1015

Delta R.T. 0.11 min

Lab File: BG033122.D

Acq: 13 Mar 2018 17:04

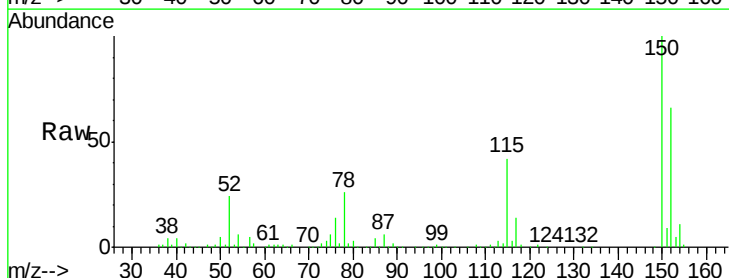
Tgt Ion: 79 Resp: 6448

Ion Ratio Lower Upper

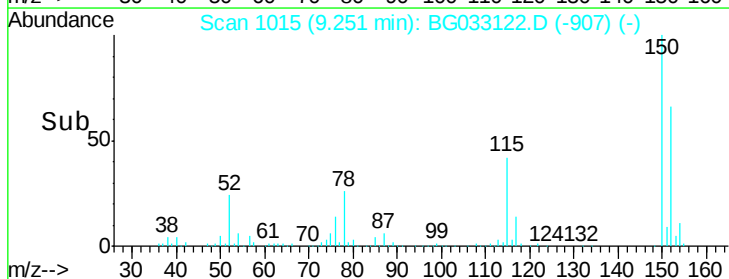
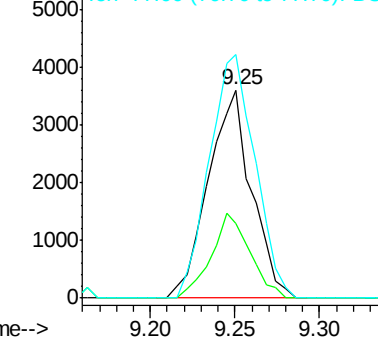
79 100

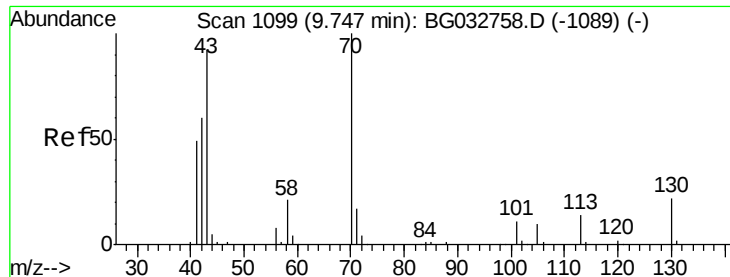
108 35.7 57.2 85.8#

77 117.0 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

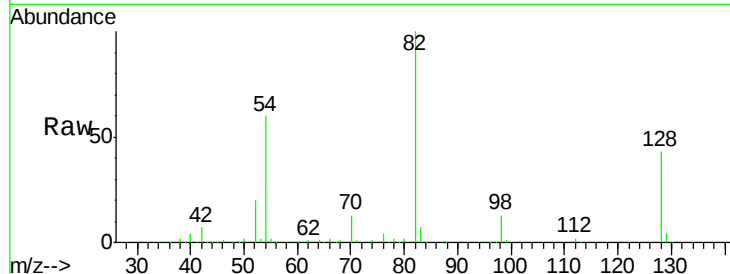




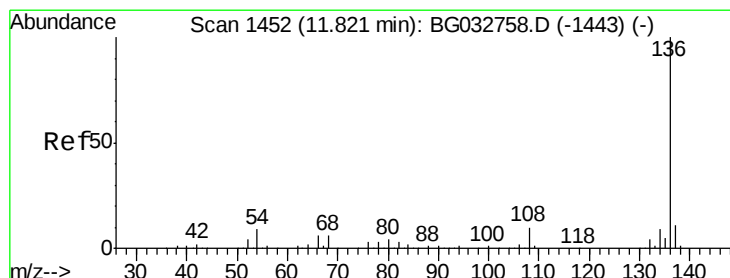
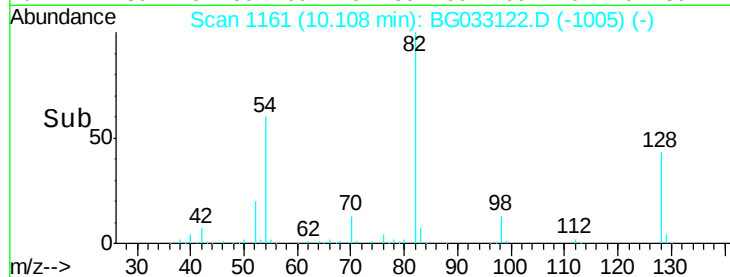
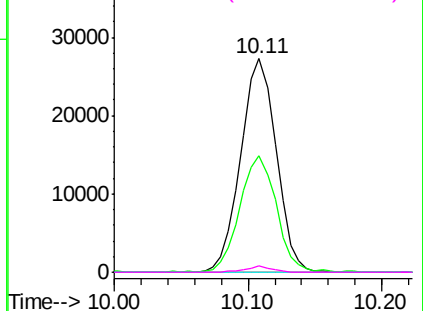
#19
n-Nitroso-di-n-propylamine
Concen: 18.121 ng
RT: 10.11 min Scan# 1161
Delta R.T. 0.39 min
Lab File: BG033122.D
Acq: 13 Mar 2018 17:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 70 Resp: 50398
Ion Ratio Lower Upper
70 100
42 54.7 49.1 73.7
101 0.0 8.5 12.7#
130 2.9 13.4 20.0#



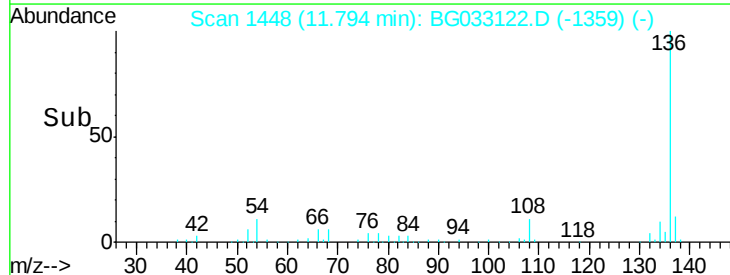
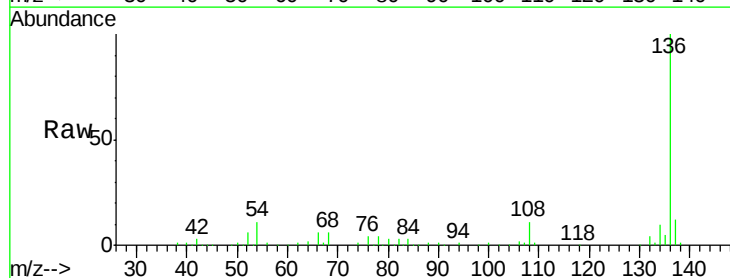
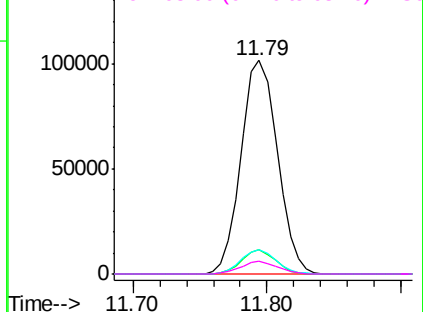
Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

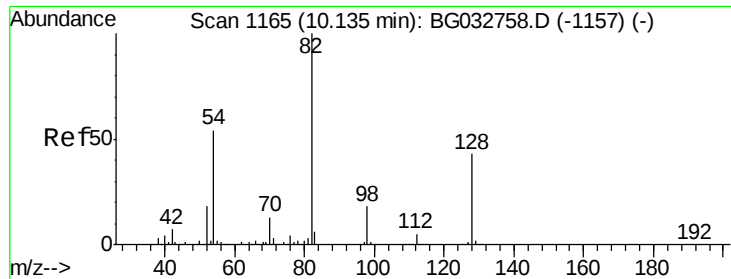


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.79 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BG033122.D
Acq: 13 Mar 2018 17:04

Tgt Ion:136 Resp: 192196
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 11.2 10.3 15.5
68 6.1 4.5 6.7

Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

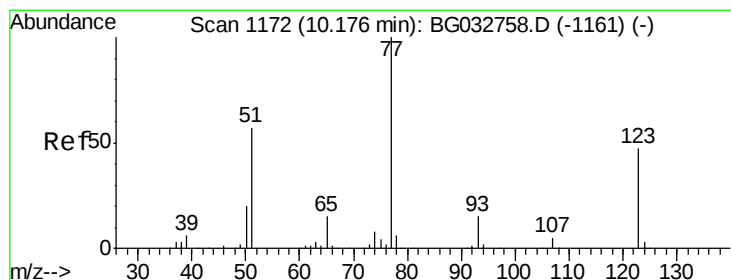
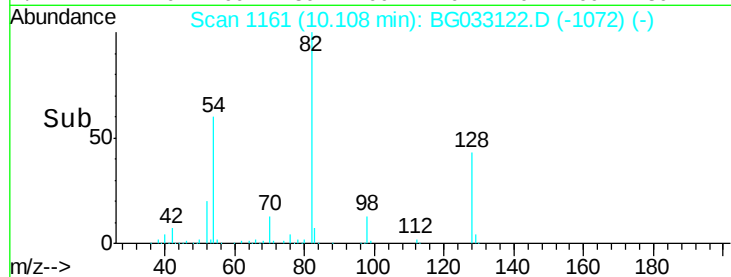
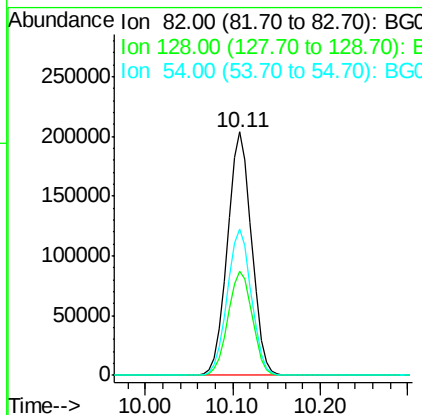
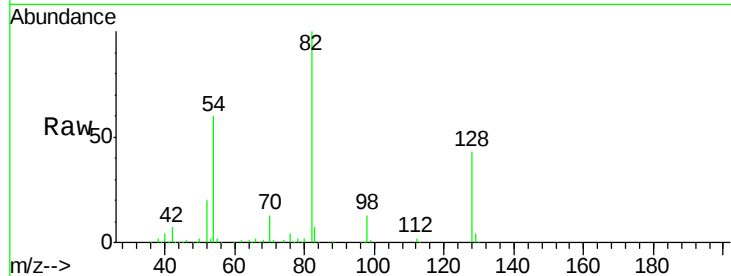




#23
 Nitrobenzene-d5
 Concen: 131.800 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BG033122.D
 Acq: 13 Mar 2018 17:04

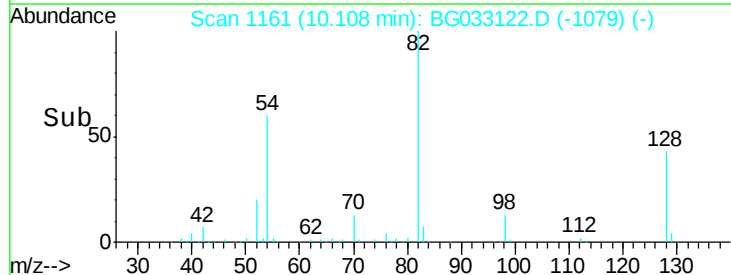
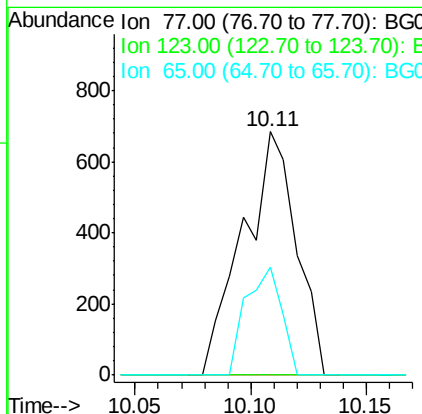
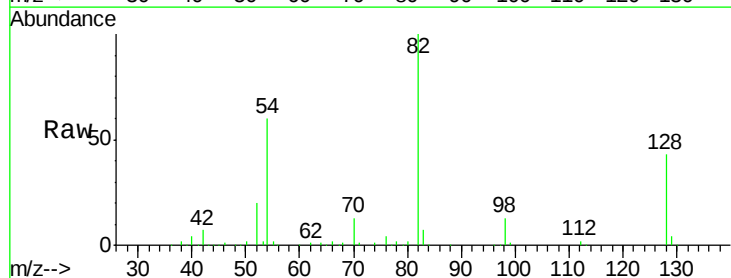
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	382143
Ion Ratio	Lower	Upper	
82	100		
128	42.8	29.7	44.5
54	60.2	43.1	64.7



#24
 Nitrobenzene
 Concen: 6.692 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.05 min
 Lab File: BG033122.D
 Acq: 13 Mar 2018 17:04

Tgt Ion	77	Resp	1100
Ion Ratio	Lower	Upper	
77	100		
123	0.0	33.0	49.6#
65	44.2	13.0	19.6#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033122.D

Acq: 13 Mar 2018 17:04

Instrument :

BNA_G

ClientSampleId :

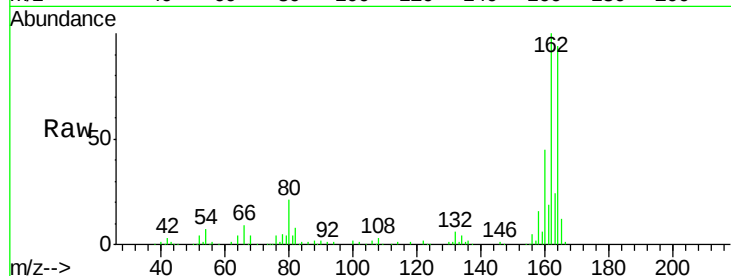
Tot Ion:164 Resp: 105452

Ion Ratio Lower Upper

164 100

162 106.5 78.8 118.2

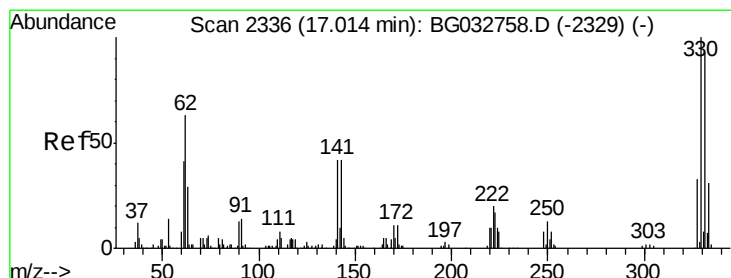
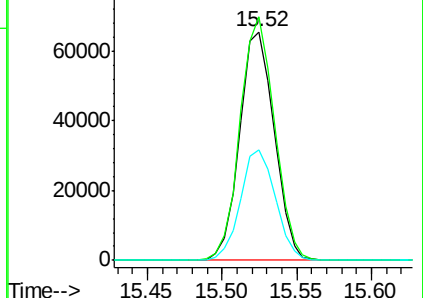
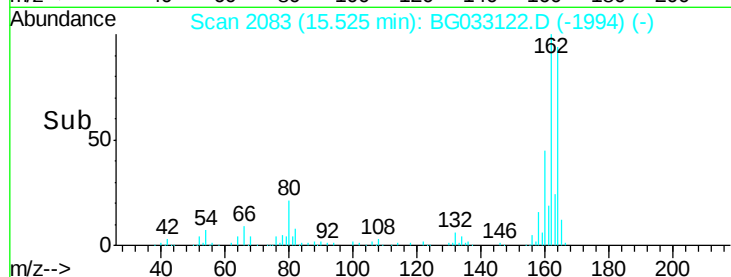
160 48.4 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 191.656 ng

RT: 16.99 min Scan# 2333

Delta R.T. -0.01 min

Lab File: BG033122.D

Acq: 13 Mar 2018 17:04

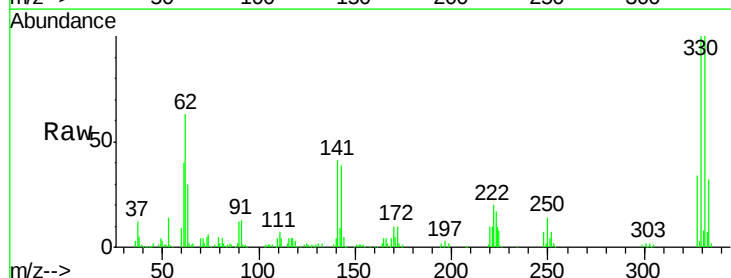
Tgt Ion:330 Resp: 212506

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

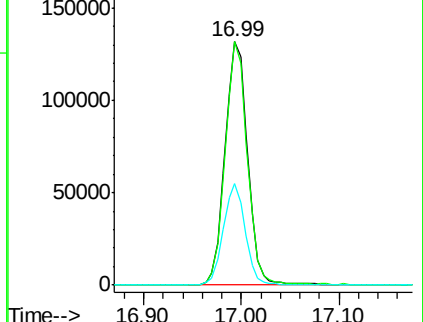
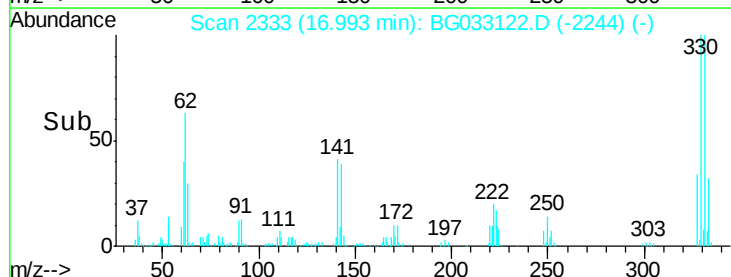
141 40.4 25.2 37.8#

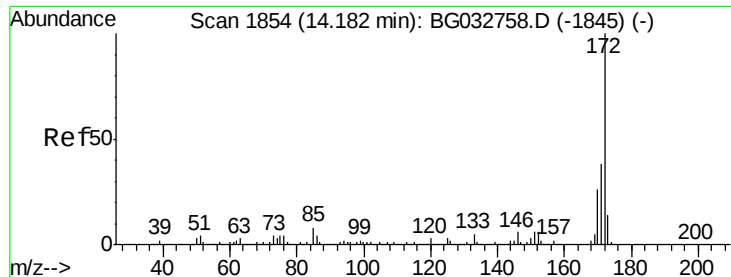


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

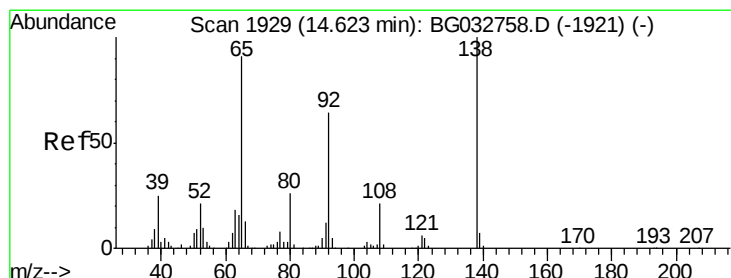
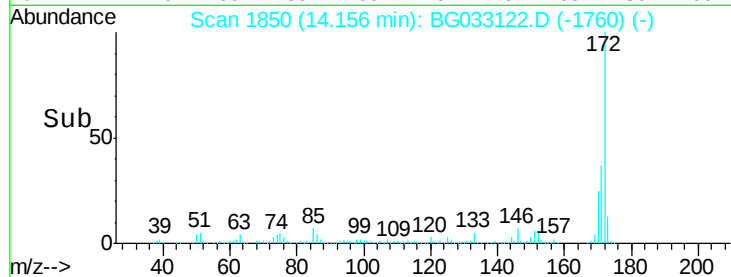
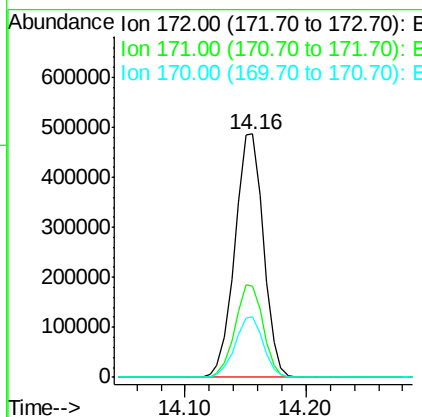
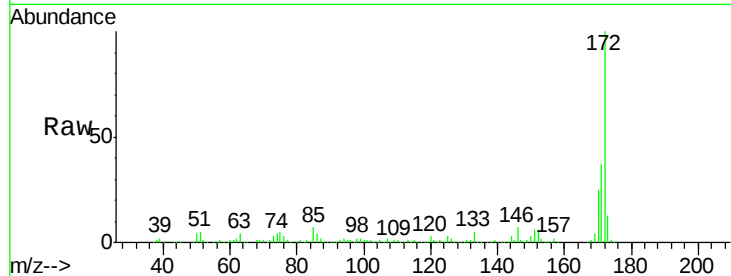




#44
 2-Fluorobiphenyl
 Concen: 109.855 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033122.D
 Acq: 13 Mar 2018 17:04

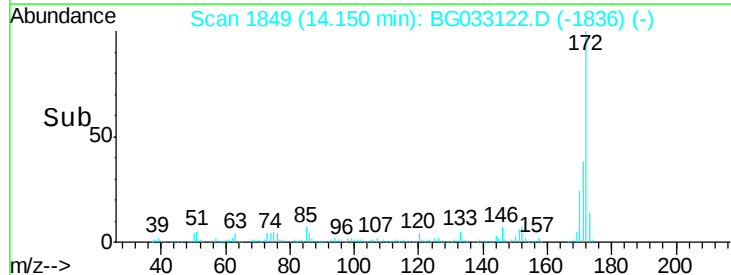
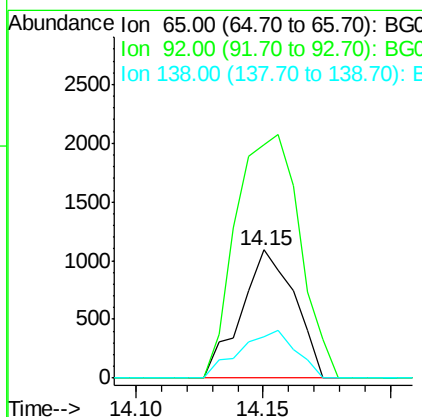
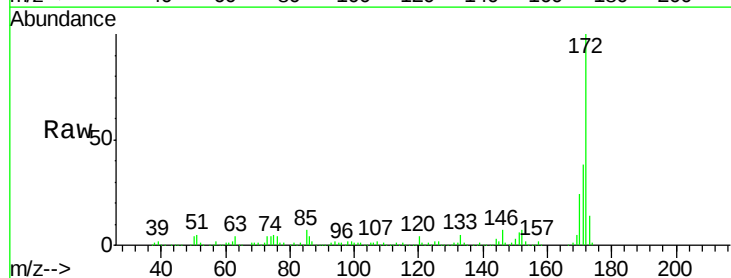
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.0	45.0
170	24.7	19.5	29.3



#47
 2-Nitroaniline
 Concen: 10.570 ng
 RT: 14.15 min Scan# 1849
 Delta R.T. -0.45 min
 Lab File: BG033122.D
 Acq: 13 Mar 2018 17:04

Tgt Ion	Ratio	Lower	Upper
65	100		
92	181.8	54.6	82.0#
138	32.7	72.9	109.3#





#50

2,6-Dinitrotoluene

Concen: 16.437 ng

RT: 15.52 min Scan# 2083

Delta R.T. 0.44 min

Lab File: BG033122.D

Acq: 13 Mar 2018 17:04

Instrument :

BNA_G

ClientSampleId :

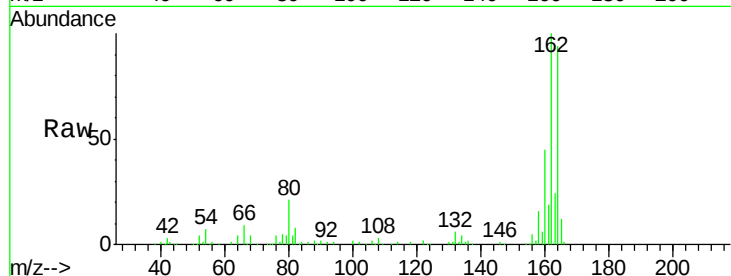
Tot Ion:165 Resp: 13716

Ion Ratio Lower Upper

165 100

63 0.0 52.7 79.1#

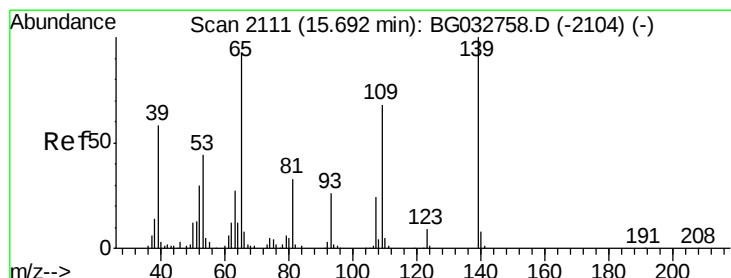
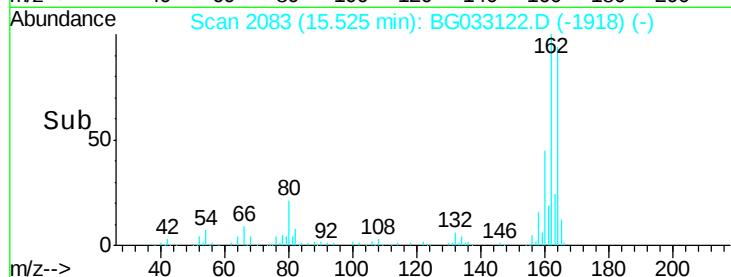
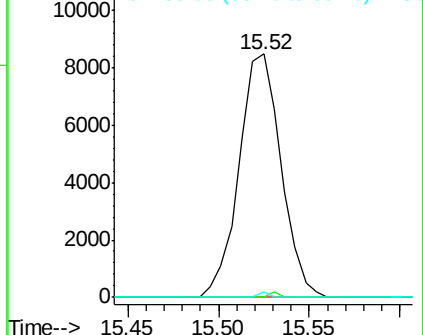
89 2.2 49.2 73.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#55

4-Nitrophenol

Concen: 7.161 ng

RT: 15.91 min Scan# 2149

Delta R.T. 0.24 min

Lab File: BG033122.D

Acq: 13 Mar 2018 17:04

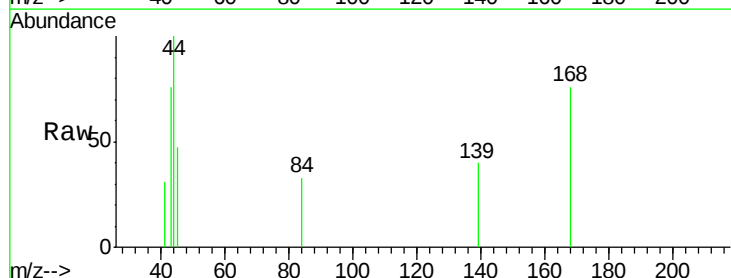
Tgt Ion:139 Resp: 130

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

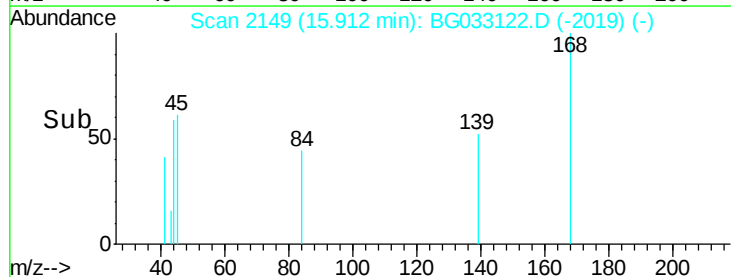
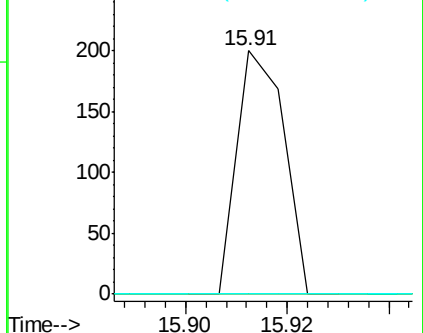
65 0.0 97.2 137.2#

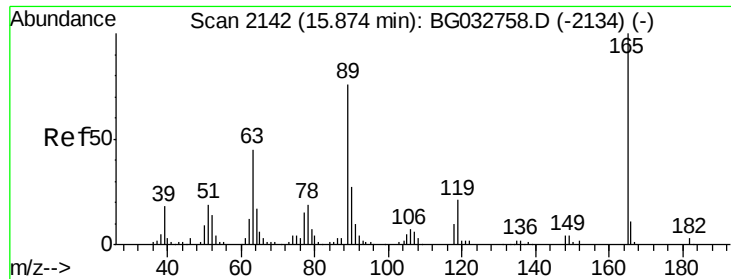


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





#56

2,4-Dinitrotoluene

Concen: 14.636 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.33 min

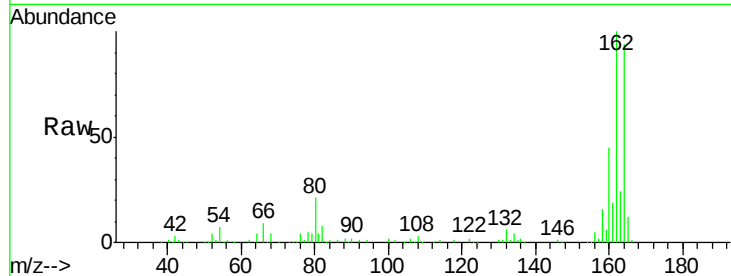
Lab File: BG033122.D

Acq: 13 Mar 2018 17:04

Instrument :

BNA_G

ClientSampleId :



Tot Ion:165 Resp: 13716

Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 2.2 66.9 100.3#

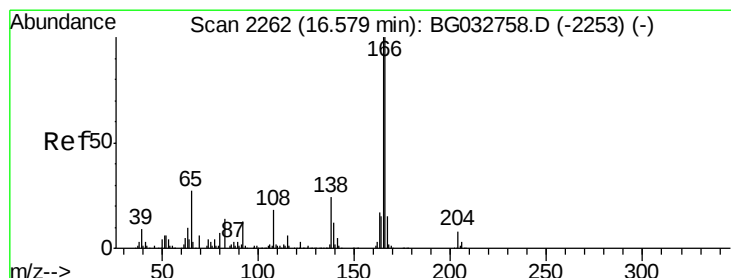
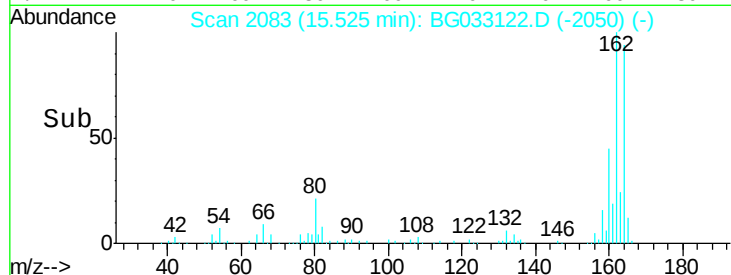
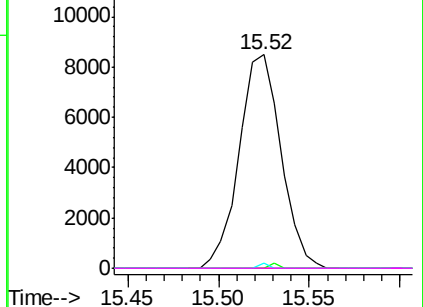
182 0.0 2.6 3.8#

Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#61

4-Nitroaniline

Concen: 5.327 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.44 min

Lab File: BG033122.D

Acq: 13 Mar 2018 17:04

Tgt Ion:138 Resp: 59

Ion Ratio Lower Upper

138 100

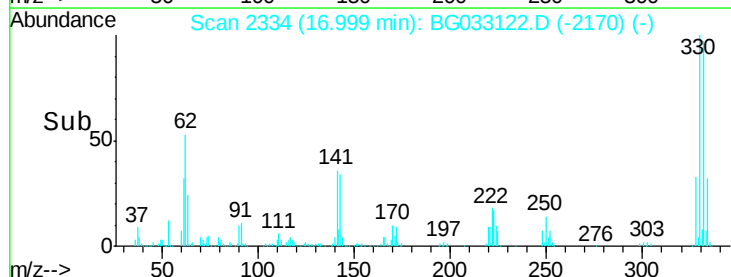
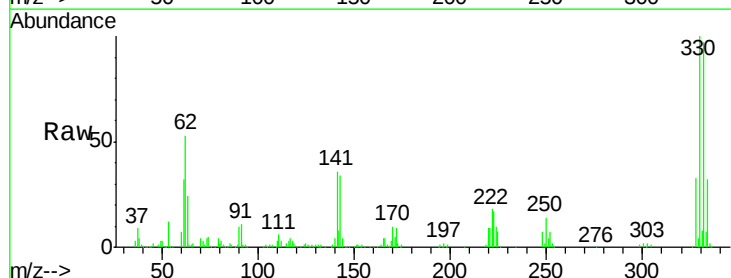
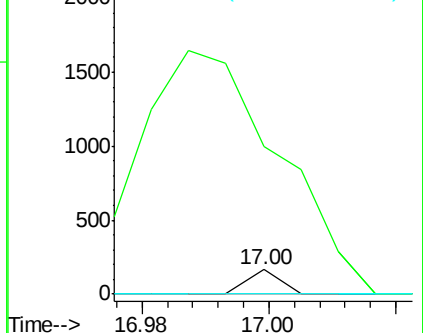
92 595.8 40.1 80.1#

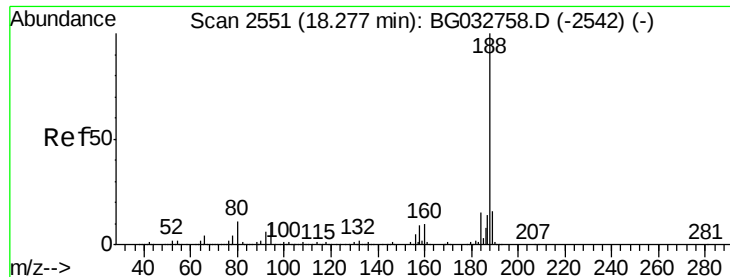
108 0.0 65.4 105.4#

Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

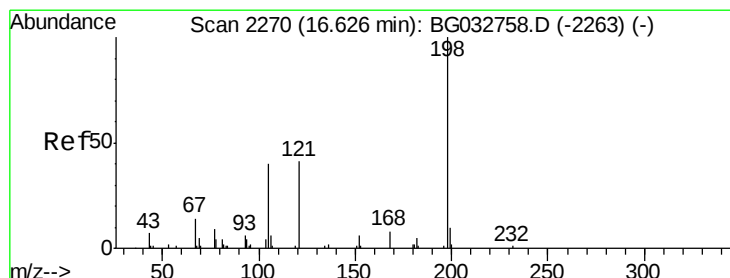
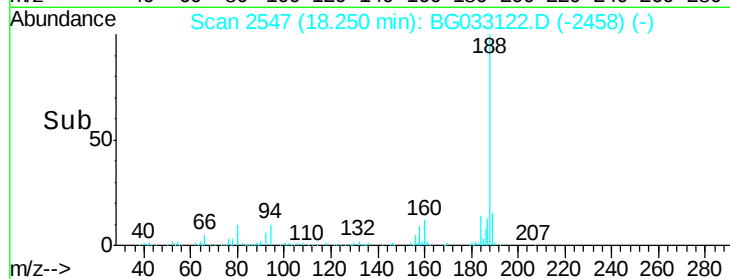
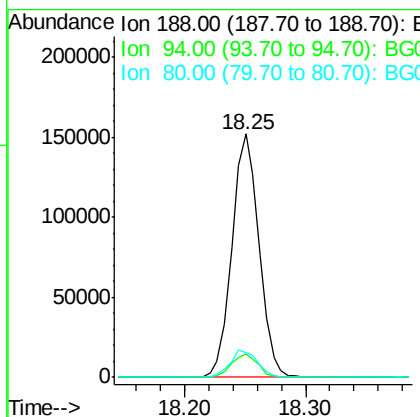
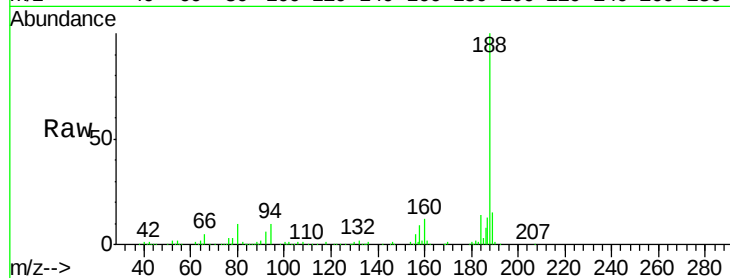




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.25 min Scan# 2547
 Delta R.T. -0.01 min
 Lab File: BG033122.D
 Acq: 13 Mar 2018 17:04

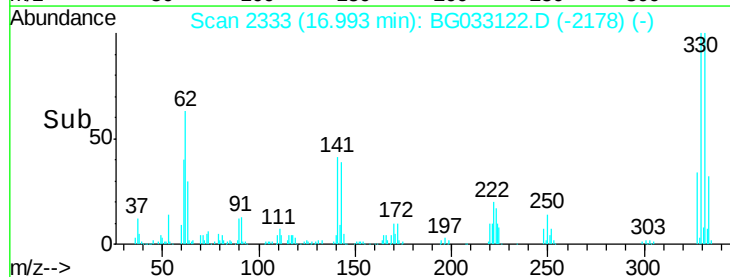
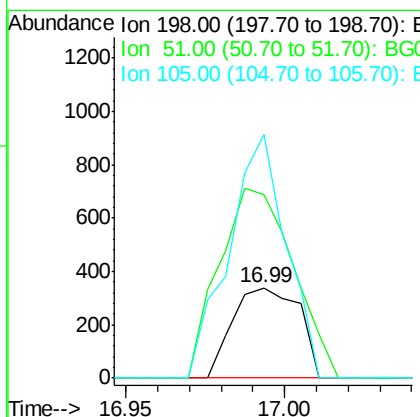
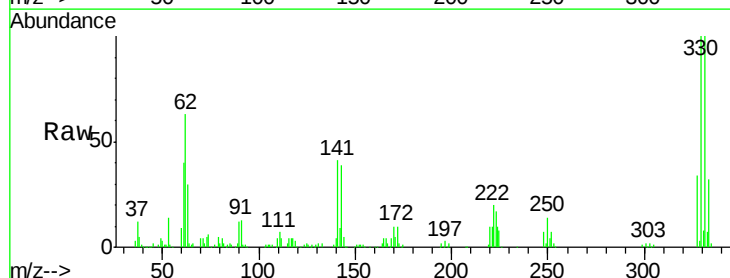
Instrument :
 BNA_G
 ClientSampleId :

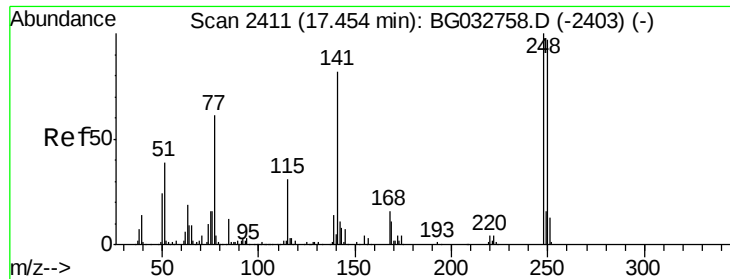
Tot Ion:188 Resp: 236830
 Ion Ratio Lower Upper
 188 100
 94 9.5 6.9 10.3
 80 10.1 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.827 ng
 RT: 16.99 min Scan# 2333
 Delta R.T. 0.38 min
 Lab File: BG033122.D
 Acq: 13 Mar 2018 17:04

Tgt Ion:198 Resp: 490
 Ion Ratio Lower Upper
 198 100
 51 204.1 30.6 70.6#
 105 270.1 23.8 63.8#

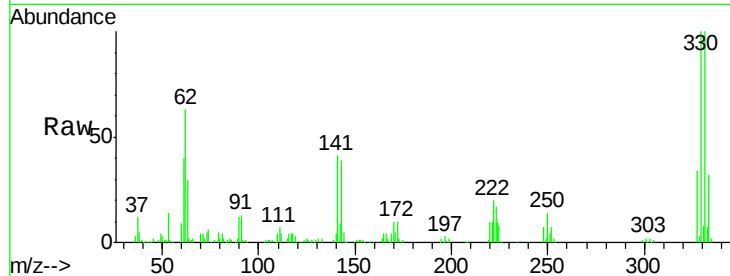




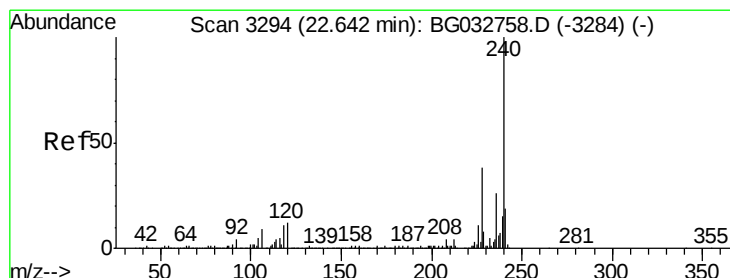
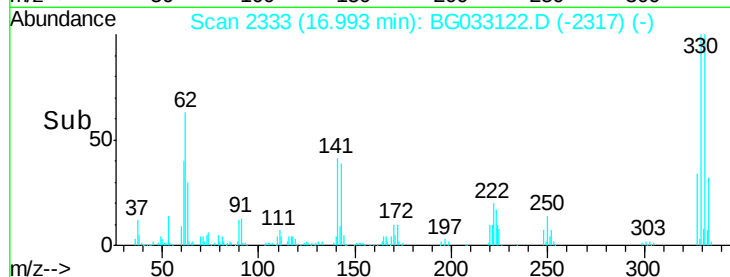
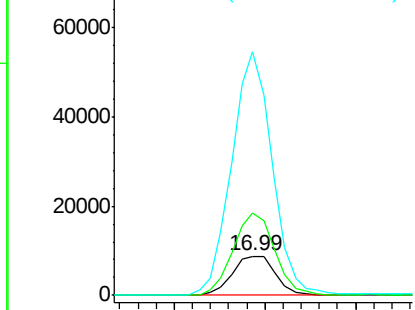
#66
4-Bromophenyl-phenylether
Concen: 5.809 ng
RT: 16.99 min Scan# 2333
Delta R.T. -0.43 min
Lab File: BG033122.D
Acq: 13 Mar 2018 17:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14547
Ion Ratio Lower Upper
248 100
250 208.0 77.1 115.7#
141 618.9 50.8 76.2#

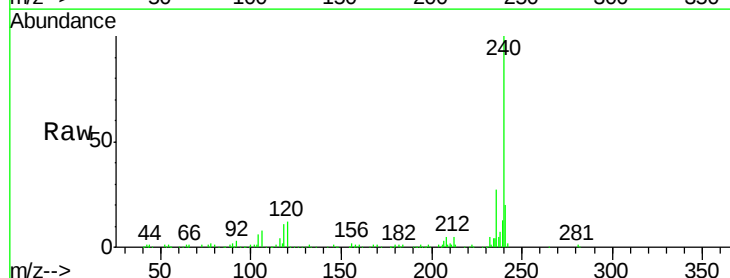


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

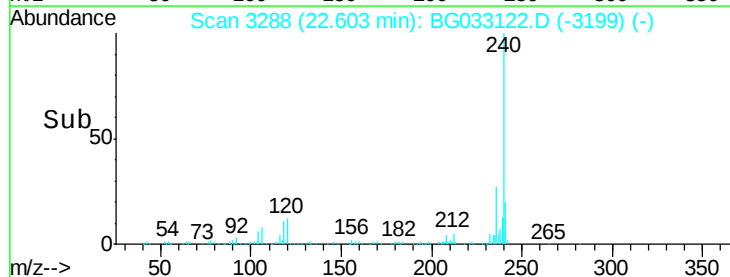
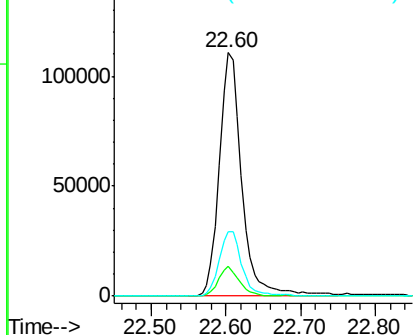


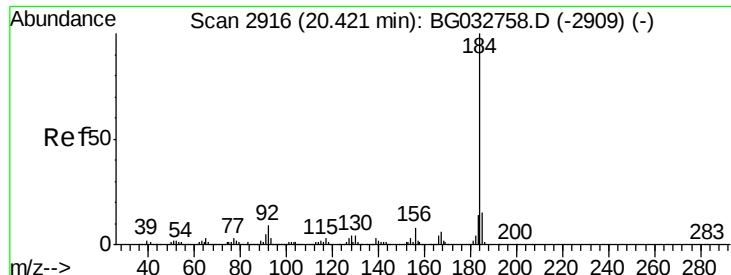
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.60 min Scan# 3288
Delta R.T. -0.01 min
Lab File: BG033122.D
Acq: 13 Mar 2018 17:04

Tgt Ion:240 Resp: 233859
Ion Ratio Lower Upper
240 100
120 12.1 6.8 10.2#
236 26.6 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.640 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.37 min

Lab File: BG033122.D

Acq: 13 Mar 2018 17:04

Instrument :

BNA_G

ClientSampleId :

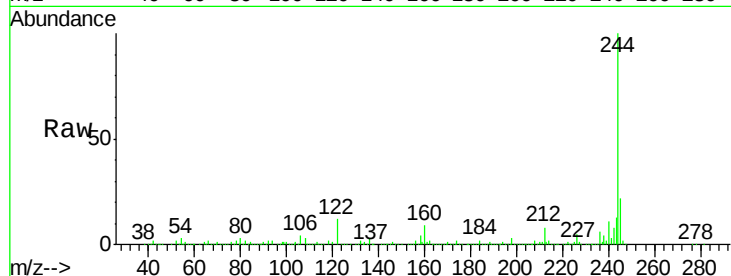
Tot Ion:184 Resp: 21042

Ion Ratio Lower Upper

184 100

185 15.9 11.1 16.7

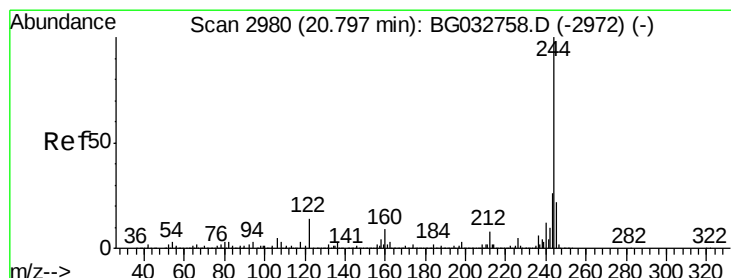
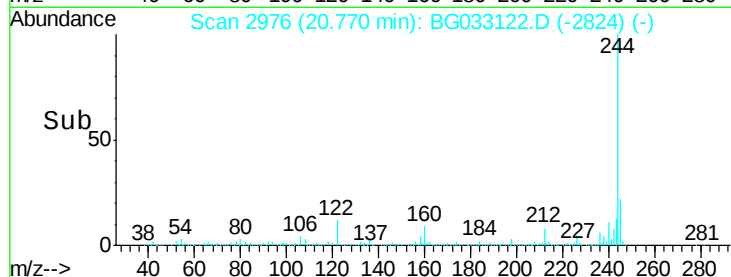
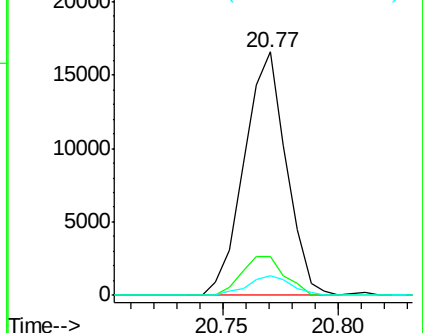
183 7.8 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 116.302 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033122.D

Acq: 13 Mar 2018 17:04

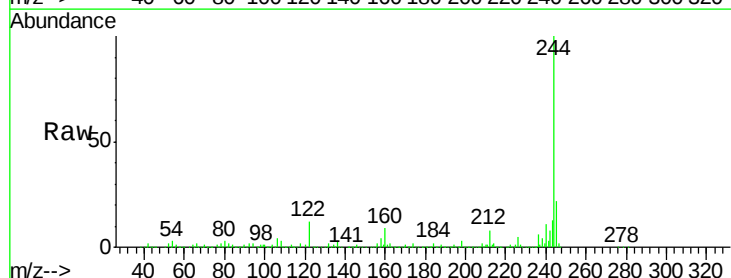
Tgt Ion:244 Resp: 1210575

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

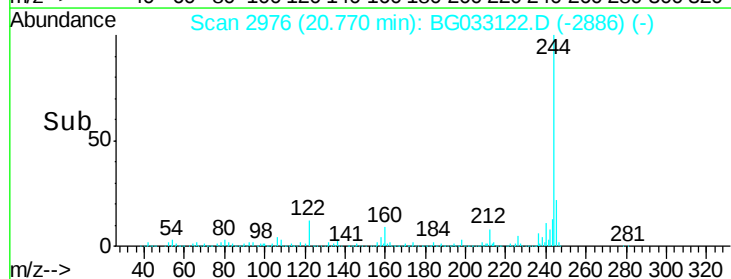
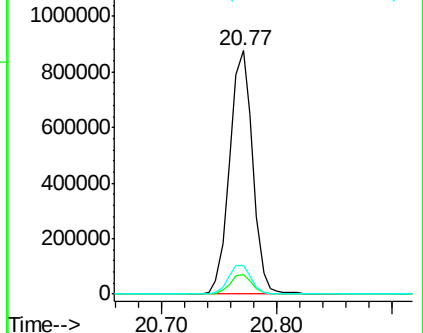
122 12.0 7.0 10.4#

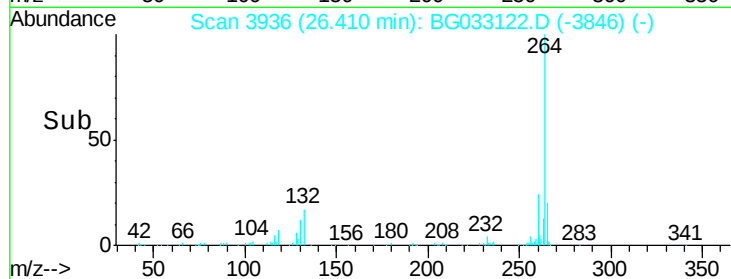
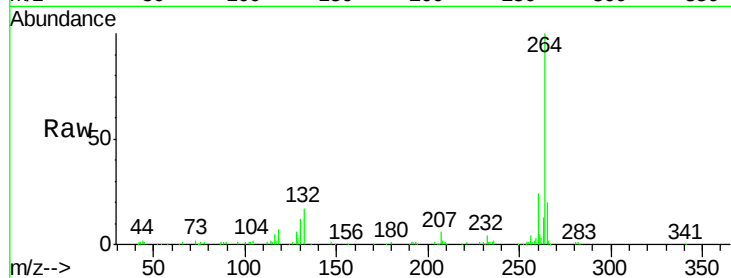
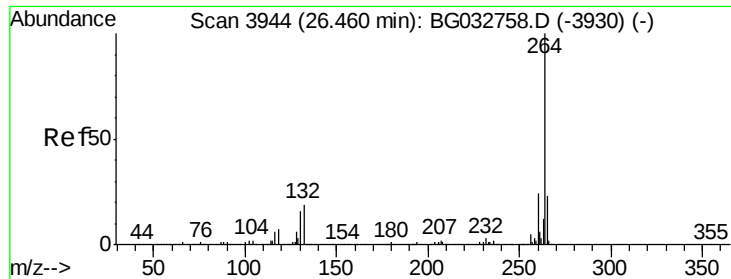


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.41 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: BG033122.D
 Acq: 13 Mar 2018 17:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	211905
Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	20.1	17.7	26.5

